

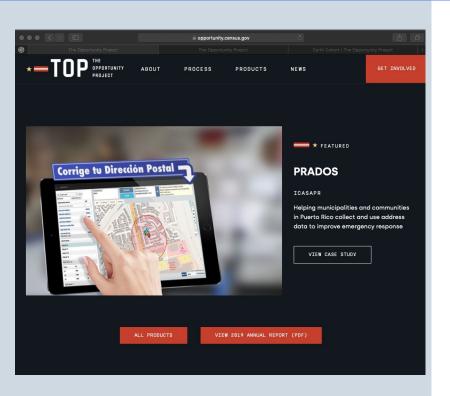


Puerto Rico Address Data Working Group (PRADWG)

## The Initiative for Civic Address Systems Assessment In Puerto Rico



# PRCAVE & PRADOS Addressing Initiatives



### Our Objectives

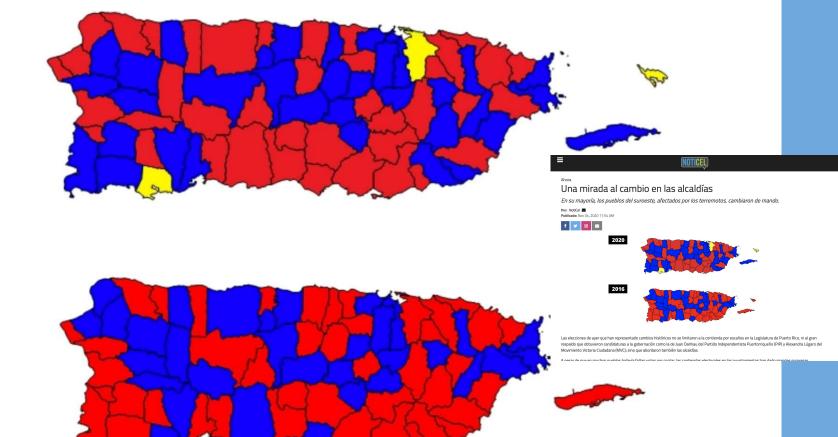
- Create openly available datasets of standardized addresses for Puerto Rico.
- Provide municipios with cloud-based tools to certify "authoritative" data.
- Share authoritative data with Federal agencies.

Puerto Rico Address Data Working Group (PRADWG) Report to the Federal Geographic Data Committee (FGDC) Address Subcommittee November 18, 2020

## **TOPIC 1**: Puerto Rico Address Data Objectives

"...the optimum state of Puerto Rico address data is to have a physical address for every building and location, linked to parcel data."

- Address Governance
- By law, 78 "municipios" are the authoritative source.
- There is a need for capacity building at the local level.
- In 2021, leadership changes expected. Include bottom-up design to ensure sustainability



BLUE represents the the **Partido Nuevo Progresista (PNP)**, RED the **Partido Popular Democratico** (PPD), and YELLOW municipios still processing results.



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## **TOPIC 2**: Improvements to existing challenges

"Because there are so many streets with the same name (Calle 1, for example) within a municipio, having a field for Urbanización/ Neighborhood would be helpful."

### Federal action needs

- Revise websites to require PR urbanization names for ZIP
   Codes 006-007 and 009.
- Change paper forms to include Urb. names.
- Improve existing federal datasets before addressing changes in Puerto Rico begin.

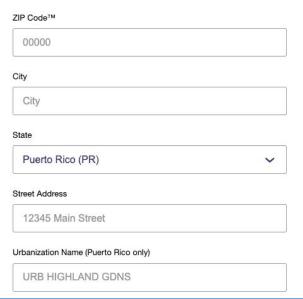
### What's your new address?



This is the address you are moving to. Enter a valid address, and remember to include apartment/suite number if applicable.

If your address is a PO Box, enter it in the Street Address field for example, PO Box 1001. Please note that Change-of-Address request from non-USPS Private Mail Boxes (PMB) cannot be processed.

#### What's your new address?



US Postal Service websites add an urbanization field when detecting the user has an address from Puerto Rico.

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## **TOPIC 3**: Goals and needs for existing challenges

"...the most important data goals and needs are for standardized, unique (non- duplicative), locatable, locally sourced, and island-wide data..."

### Federal action needs

- Low percentage of geocoded data in Federal agencies.
- In general, Puerto Rico´s population do not use addressing standards.
- Encourage agencies to use software certified specifically for Puerto Rico addresses.

### **CASS**<sup>TM</sup> **Quality Certification**

for

### **Address Matching Software**

This certified software performs the following functions: ZIP +  $4^*$  Delivery Point Code Five-Digit Carrier Route Suite LinkTM DPVTM LACS LinkTM

#### MANUFACTURER

Configuration: STD

Platform: W32

This certificate is valid 07/2011 thru 07/31/2013 for the following areas:

**PUERTO RICO** 



James D. Wilson

Address Manager

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## **TOPIC 4**: Solutions and ideas for improvement

"Initiate standardized training programs for all agencies that may assist developers and business users to properly enter, correct and collect addresses."

- Federal action needs
- Importance of capacity building for federal agencies.
- Need for Puerto Rico local agencies to use standards.
- Including urbanization field in Federal agencies forms and websites will improve addresses from PR.



## One house... multiple addresses.

arbosa BAM. Arte v m

Urb Alturas de Sans Souci Calle 1 #A1 Bayamón, P.R. 00957

Calle 1 A1 Urb. Sans Souci Bayamón, P.R. 00957 Als de Sans Souci Calle 1 A1 Bayamón, P.R. 00957

A1 #1 Urb. Sans Souci Bayamón, P.R. 00957

Calle 1 #A1 Alturas de Sans Souci Bayamón, P.R. 00957

Calle 1 #A1 Sans Souci Bayamón, P.R. 00957

Urb Alturas de Sans Souci

Calle 1 A1 Alts de Sans Souci Bayamón, P.R. 00957

A1 Casa 1 Calle 1 Sans Sou Bayamón, P.R. 00957

Alturas de Sans Souci Calle 1 Blq. A Casa 1 Bayamón, P.R. 00957

> Sans Souci Calle 1 #A1 Bayamón, P.R. 00957

Bayamón, P.R. 00957

A1 1 Street

Calle 1 A1 Bayamón, P.R. 00957 Urb Alturas de Sans Souci A1 C/1 Bayamón, P.R. 00957

Alturas de Sans Souci Calle 1 Blq. A c/1 Bayamón, P.R. 00957 Sans Souci 1 Street A1 Bayamón, P.R. 00957

A1 C/1 Sans Souci Bayamón, P.R. 00957

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### **Conclusion**: 1. Perspectives about the future

"Ideally, Puerto Rico should completely revise their addressing system to eliminate urbanizacións and building name (for example, Edificios) addresses without street addresses."

- Local address practices
- "Urbanization" names are part of the local culture.
- Changing repeated street names <u>while</u> preserving the URB name is a doable goal.
- Urbanization name, like building names, can be optional information.

#### **Puerto Rico**

### **City Style Address Formats**

**CITY FORMATS** 

3 Lines 471,607 33%

URB AVANTI 50 CALLE 4 BAYAMON PR 00961-3305

2 Lines 141,901

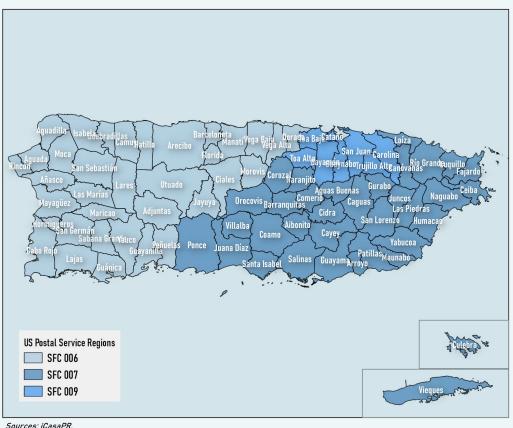
1500 AVE PONCE DE LEON SAN JUAN PR 00907-4401

Building 150,519

COND CRISTAL 123 AVE MATADOR STE 250 SAN JUAN PR 00909-6633

Urb St. Name 7,651

> URB AVANTI PONCE PR 00716-2121



OTHER FORMATS

Postal Rural 341,442

RR 1 BOX 3000 BAYAMON PR 00956-4567

314,060 2 2 %

PO BOX 366904 SASN JUAN PR 00963-6904

217,488

CALLE 1 CALLE 2 CALLE A

0.46% 6,598

CALLE PRINCIPAL CALLE MARGINAL

Sources: iCasaPR.



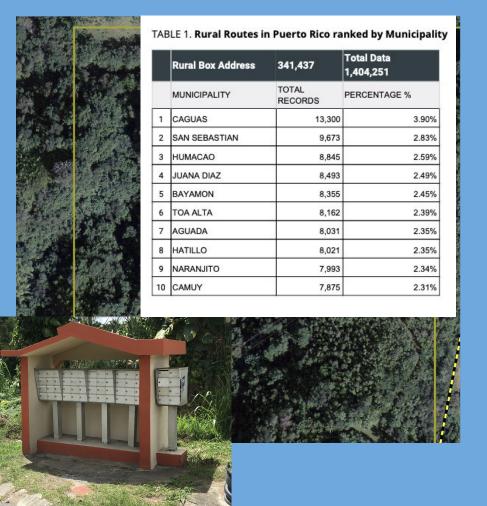
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### **Conclusion**: 2. Perspective about the future

"The bottom line is that there is no comprehensive addressing plan for Puerto Rico, and it must be developed. Anything else is a band-aid."

### Need for Support

- Currently, municipios cannot access funds to finance existing addressing projects.
- Several ongoing addressing projects stopped due to lack of funding to finance low cost items like street signs.





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### **Conclusion**: 3. Perspective about the future

"Not having accurate data on housing units location/address delays all recovery projects..."

- Preliminary work needs
- Most federal agencies achieve less than 25% location accuracy for PR addresses.
- Mailers in Puerto Rico achieve over 97% data accuracy for their mailing addresses.
- PR vendors do not have easy access to Federal agencies.

### Puerto Rico

### City Style vs Rural Residential Addresses

US Postal Service Residential Deliveries 1,069,997

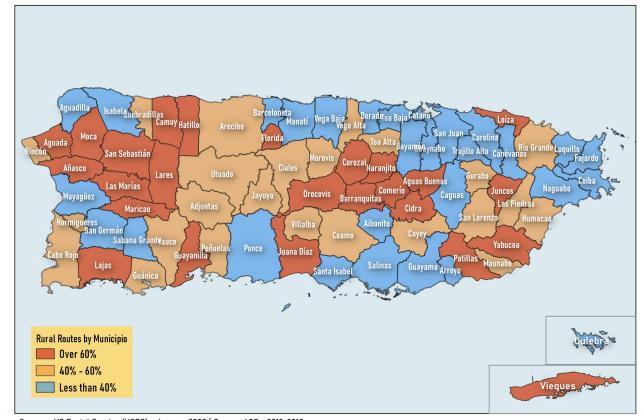
689,025
USPS City Style Addresses

32% 323,349 USPS Rural Style Addresses

905,377 Rural Addresses - Est. Pop.

153,504
PO Box Residential Addresses

Total Population (ACS)
3,386,941



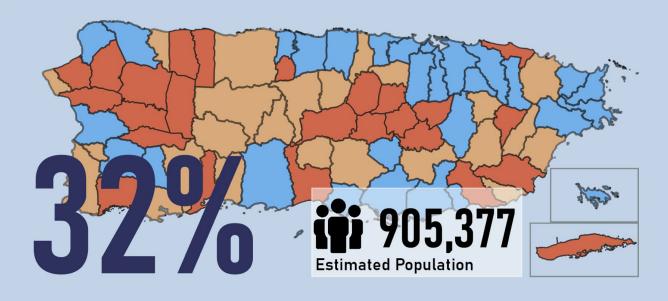
Sources: US Postal Service (USPS) - January 2020 | Census ACS - 2013-2018.

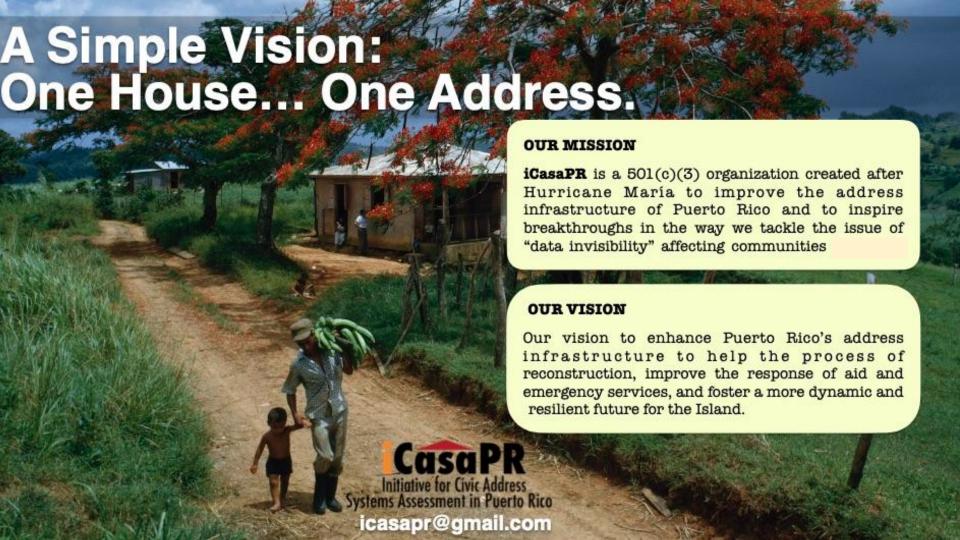


### **PUERTO RICO**

323,349 USPS Rural Style Addresses

Rural Routes by Municipio
Over 60%
40% - 60%
Less than 40%







## THANKS!

### Any questions?

You can contact us at

- Raul Rios-Diaz- Jon Sperling
- icasapr@gmail.com